Wednesday, March 16, 2011

Mr. Lance Range

Illinois Environmental Protection Agency - BOL
Bureau of Land PO Box 19276
Springfield, IL 62794-9276

TEL: (217) 785-9384

FAX: NA

RE: LPC#0190100008 / Illinois Power Town Gas Plant PAS WO: 11B0185

Prairie Analytical Systems, Inc. received 1 sample(s) on 2/16/2011 for the analyses presented in the following report.

All applicable quality control procedures met method specific acceptance criteria unless otherwise noted.

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If you have any questions, please feel free to contact me at (217) 753-1148.

Respectfully submitted,

Jean-Pierre Rouanet
Laboratory Director

Certifications: NELAP/NELAC - IL #100323

1210 Capital Airport Drive * Springfield, IL 62707 * 1.217.753.1148 * 1.217.753.1152 Fax
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LABORATORY RESULTS

Client: Illinois Environmental Protection Agency - BOL
Project: LPC#0190100008 / Illinois Power Town Gas Plant **Lab Order:** 11B0185
Client Sample ID: SB10526-01 / X201 **Lab ID:** 11B0185-01
Collection Date: 2/15/11 11:00 **Matrix:** Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Semi-Volatile Organic Compounds by GC-MS									
***Acenaphthene**	**471**	401		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
***Acenaphthylene**	**11100**	4010		µg/Kg dry	10	2/24/11 15:05	2/24/11 22:38	SW 8270C	JKA
***Anthracene**	**2570**	401		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
***Benzo(a)anthracene**	**16000**	4010		µg/Kg dry	10	2/24/11 15:05	2/24/11 22:38	SW 8270C	JKA
***Benzo(b)fluoranthene**	**19800**	4010		µg/Kg dry	10	2/24/11 15:05	2/24/11 22:38	SW 8270C	JKA
***Benzo(k)fluoranthene**	**7580**	4010		µg/Kg dry	10	2/24/11 15:05	2/24/11 22:38	SW 8270C	JKA
***Benzo(g,h,i)perylene**	**8520**	4010		µg/Kg dry	10	2/24/11 15:05	2/24/11 22:38	SW 8270C	JKA
***Benzo(a)pyrene**	**21200**	814		µg/Kg dry	10	2/24/11 15:05	2/24/11 22:38	SW 8270C	JKA
Benzoic acid	U	401		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
Benzyl alcohol	U	401		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
*Bis(2-chloroethoxy)methane	U	401		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
*Bis(2-chloroethyl)ether	U	401		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
*Bis(2-chloroisopropyl)ether	U	401		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
*Bis(2-ethylhexyl)phthalate	U	401		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
*4-Bromophenyl phenyl ether	U	401		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
*Butyl benzyl phthalate	U	401		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
*Carbazole	U	401		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
*4-Chloro-3-methylphenol	U	803		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
*4-Chloroaniline	U	633		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
*2-Chloronaphthalene	U	401		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
*2-Chlorophenol	U	401		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
*4-Chlorophenyl phenyl ether	U	401		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
***Chrysene**	**17900**	4010		µg/Kg dry	10	2/24/11 15:05	2/24/11 22:38	SW 8270C	JKA
*Di-n-butyl phthalate	U	401		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
*Di-n-octyl phthalate	U	401		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
*Dibenzofuran	U	2010		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
*1,2-Dichlorobenzene	U	401		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
*1,3-Dichlorobenzene	U	241		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
*1,4-Dichlorobenzene	U	401		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
*3,3'-Dichlorobenzidine	U	6.33		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
*2,4-Dichlorophenol	U	401		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
*Diethyl phthalate	U	401		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
*Dimethyl phthalate	U	401		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
*2,4-Dimethylphenol	U	401		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
*4,6-Dinitro-2-methylphenol	U	2010		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
*2,4-Dinitrophenol	U	181		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
*2,4-Dinitrotoluene	U	226		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
*2,6-Dinitrotoluene	U	235		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
***Fluoranthene**	**16600**	4010		µg/Kg dry	10	2/24/11 15:05	2/24/11 22:38	SW 8270C	JKA
***Fluorene**	**1830**	401		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
*Hexachlorobenzene	U	401		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
*Hexachlorobutadiene	U	401		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
*Hexachlorocyclopentadiene	U	803		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
*Hexachloroethane	U	401		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
***Indeno(1,2,3-cd)pyrene**	**9820**	4010		µg/Kg dry	10	2/24/11 15:05	2/24/11 22:38	SW 8270C	JKA
*Isophorone	U	401		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
***2-Methylnaphthalene**	**922**	401		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
*2-Methylphenol	U	401		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
3 & 4-Methylphenol	U	217		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA

Prairie Analytical Systems, Inc. **Date:** 3/16/2011

LABORATORY RESULTS

Client: Illinois Environmental Protection Agency - BOL
Project: LPC#0190100008 / Illinois Power Town Gas Plant **Lab Order:** 11B0185
Client Sample ID: SB10526-01 / X201 **Lab ID:** 11B0185-01
Collection Date: 2/15/11 11:00 **Matrix:** Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
***Naphthalene**	**1760**	401		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
*2-Nitroaniline	U	2010		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
*3-Nitroaniline	U	2010		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
*4-Nitroaniline	U	803		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
*Nitrobenzene	U	90.4		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
*2-Nitrophenol	U	401		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
*4-Nitrophenol	U	2010		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
*N-Nitroso-di-n-propylamine	U	1.63		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
N-Nitrosodimethylamine	U	401		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
*N-Nitrosodiphenylamine	U	401		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
*Pentachlorophenol	U	27.1		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
***Phenanthrene**	**2360**	401		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
*Phenol	U	401		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
***Pyrene**	**26800**	4010		µg/Kg dry	10	2/24/11 15:05	2/24/11 22:38	SW 8270C	JKA
*1,2,4-Trichlorobenzene	U	401		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
*2,4,5-Trichlorophenol	U	401		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
*2,4,6-Trichlorophenol	U	181		µg/Kg dry	1	2/24/11 15:05	2/24/11 23:10	SW 8270C	JKA
Total Petroleum Hydrocarbons by GC-FID									
*Gasoline Range Organics	U	25.2		mg/Kg dry	1	2/24/11 15:06	3/4/11 9:56	SW 8015B (M	BDP
*Diesel Range Organics	U	25.2		mg/Kg dry	1	2/24/11 15:06	3/4/11 9:56	SW 8015B (M	BDP
Conventional Chemistry Parameters									
Percent Solids	**78.3**	0.0100		%	1	2/22/11 11:50	2/22/11 17:11	ASTM D2216	AJD

Prairie Analytical Systems, Inc. **Date:** 3/16/2011

LABORATORY RESULTS

Client: Illinois Environmental Protection Agency - BOL
Project: LPC#0190100008 / Illinois Power Town Gas Plant **Lab Order:** 11B0185

Semi-Volatile Organic Compounds by GC-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U000677 - SW 3550B BNA										
Blank (U000677-BLK1)				Prepared & Analyzed: 02/24/201						
Acenaphthene	U	333	µg/Kg wet							
Acenaphthylene	U	333	µg/Kg wet							
Anthracene	U	333	µg/Kg wet							
Benzo(a)anthracene	U	333	µg/Kg wet							
Benzo(b)fluoranthene	U	333	µg/Kg wet							
Benzo(k)fluoranthene	U	333	µg/Kg wet							
Benzo(g,h,i)perylene	U	333	µg/Kg wet							
Benzo(a)pyrene	U	67.5	µg/Kg wet							
Benzoic acid	U	333	µg/Kg wet							
Benzyl alcohol	U	333	µg/Kg wet							
Bis(2-chloroethoxy)methane	U	333	µg/Kg wet							
Bis(2-chloroethyl)ether	U	333	µg/Kg wet							
Bis(2-chloroisopropyl)ether	U	333	µg/Kg wet							
Bis(2-ethylhexyl)phthalate	U	333	µg/Kg wet							
4-Bromophenyl phenyl ether	U	333	µg/Kg wet							
Butyl benzyl phthalate	U	333	µg/Kg wet							
Carbazole	U	333	µg/Kg wet							
4-Chloro-3-methylphenol	U	666	µg/Kg wet							
4-Chloroaniline	U	525	µg/Kg wet							
2-Chloronaphthalene	U	333	µg/Kg wet							
2-Chlorophenol	U	333	µg/Kg wet							
4-Chlorophenyl phenyl ether	U	333	µg/Kg wet							
Chrysene	U	333	µg/Kg wet							
Di-n-butyl phthalate	U	333	µg/Kg wet							
Di-n-octyl phthalate	U	333	µg/Kg wet							
Dibenz(a,h)anthracene	U	67.5	µg/Kg wet							
Dibenzofuran	U	1660	µg/Kg wet							
1,2-Dichlorobenzene	U	333	µg/Kg wet							
1,3-Dichlorobenzene	U	200	µg/Kg wet							
1,4-Dichlorobenzene	U	333	µg/Kg wet							
3,3'-Dichlorobenzidine	U	5.25	µg/Kg wet							
2,4-Dichlorophenol	U	333	µg/Kg wet							
Diethyl phthalate	U	333	µg/Kg wet							
Dimethyl phthalate	U	333	µg/Kg wet							
2,4-Dimethylphenol	U	333	µg/Kg wet							
4,6-Dinitro-2-methylphenol	U	1660	µg/Kg wet							
2,4-Dinitrophenol	U	150	µg/Kg wet							
2,4-Dinitrotoluene	U	188	µg/Kg wet							
2,6-Dinitrotoluene	U	195	µg/Kg wet							
Fluoranthene	U	333	µg/Kg wet							
Fluorene	U	333	µg/Kg wet							
Hexachlorobenzene	U	333	µg/Kg wet							
Hexachlorobutadiene	U	333	µg/Kg wet							
Hexachlorocyclopentadiene	U	666	µg/Kg wet							

LABORATORY RESULTS

Client: Illinois Environmental Protection Agency - BOL
Project: LPC#0190100008 / Illinois Power Town Gas Plant **Lab Order:** 11B0185

Semi-Volatile Organic Compounds by GC-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U000677 - SW 3550B BNA										
Blank (U000677-BLK1)				Prepared & Analyzed: 02/24/201						
Hexachloroethane	U	333	µg/Kg wet							
Indeno(1,2,3-cd)pyrene	U	333	µg/Kg wet							
Isophorone	U	333	µg/Kg wet							
2-Methylnaphthalene	U	333	µg/Kg wet							
2-Methylphenol	U	333	µg/Kg wet							
3 & 4-Methylphenol	U	180	µg/Kg wet							
Naphthalene	U	333	µg/Kg wet							
2-Nitroaniline	U	1660	µg/Kg wet							
3-Nitroaniline	U	1660	µg/Kg wet							
4-Nitroaniline	U	666	µg/Kg wet							
Nitrobenzene	U	75.0	µg/Kg wet							
2-Nitrophenol	U	333	µg/Kg wet							
4-Nitrophenol	U	1660	µg/Kg wet							
N-Nitroso-di-n-propylamine	U	1.35	µg/Kg wet							
N-Nitrosodimethylamine	U	333	µg/Kg wet							
N-Nitrosodiphenylamine	U	333	µg/Kg wet							
Pentachlorophenol	U	22.5	µg/Kg wet							
Phenanthrene	U	333	µg/Kg wet							
Phenol	U	333	µg/Kg wet							
Pyrene	U	333	µg/Kg wet							
1,2,4-Trichlorobenzene	U	333	µg/Kg wet							
2,4,5-Trichlorophenol	U	333	µg/Kg wet							
2,4,6-Trichlorophenol	U	150	µg/Kg wet							
Surrogate: 2-Fluorobiphenyl	*632*		*µg/Kg wet*	*666.67*		*95*	*40-120*			
Surrogate: 2-Fluorophenol	*564*		*µg/Kg wet*	*1000.0*		*56*	*20-115*			
Surrogate: Nitrobenzene-d5	*594*		*µg/Kg wet*	*666.67*		*89*	*45-135*			
Surrogate: Phenol-d6	*620*		*µg/Kg wet*	*1000.0*		*62*	*20-100*			
Surrogate: 4-Terphenyl-d14	*675*		*µg/Kg wet*	*666.67*		*101*	*60-130*			
Surrogate: 2,4,6-Tribromophenol	*699*		*µg/Kg wet*	*1000.0*		*70*	*30-100*			

LABORATORY RESULTS

Client: Illinois Environmental Protection Agency - BOL
Project: LPC#0190100008 / Illinois Power Town Gas Plant **Lab Order:** 11B0185

Semi-Volatile Organic Compounds by GC-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U000677 - SW 3550B BNA										
LCS (U000677-BS1)				Prepared & Analyzed: 02/24/201						
Acenaphthene	584	333	µg/Kg wet	666.67		88	30-140			
4-Chloro-3-methylphenol	1290	666	µg/Kg wet	1333.3		97	30-180			
2-Chlorophenol	1100	333	µg/Kg wet	1333.3		83	35-150			
1,4-Dichlorobenzene	536	333	µg/Kg wet	666.67		80	30-105			
2,4-Dinitrotoluene	626	188	µg/Kg wet	666.67		94	35-130			
4-Nitrophenol	1710	1660	µg/Kg wet	1333.3		129	30-150			
N-Nitroso-di-n-propylamine	601	1.35	µg/Kg wet	666.67		90	40-130			
Pentachlorophenol	1260	22.5	µg/Kg wet	1333.3		94	40-190			
Phenol	991	333	µg/Kg wet	1333.3		74	30-190			
Pyrene	666	333	µg/Kg wet	666.67		100	35-140			
1,2,4-Trichlorobenzene	543	333	µg/Kg wet	666.67		81	40-115			
Surrogate: 2-Fluorobiphenyl	*604*		*µg/Kg wet*	*666.67*		*91*	*40-120*			
Surrogate: 2-Fluorophenol	*491*		*µg/Kg wet*	*1000.0*		*49*	*20-115*			
Surrogate: Nitrobenzene-d5	*537*		*µg/Kg wet*	*666.67*		*80*	*45-135*			
Surrogate: Phenol-d6	*558*		*µg/Kg wet*	*1000.0*		*56*	*20-100*			
Surrogate: 4-Terphenyl-d14	*699*		*µg/Kg wet*	*666.67*		*105*	*60-130*			
Surrogate: 2,4,6-Tribromophenol	*713*		*µg/Kg wet*	*1000.0*		*71*	*30-100*			
Matrix Spike (U000677-MS1)		**Source: 11B0185-01**		Prepared & Analyzed: 02/24/201						
Acenaphthene	776	417	µg/Kg dry	835.17	471	37	30-140			
4-Chloro-3-methylphenol	1350	834	µg/Kg dry	1670.3	ND	81	40-180			
2-Chlorophenol	1220	417	µg/Kg dry	1670.3	ND	73	35-150			
1,4-Dichlorobenzene	570	417	µg/Kg dry	835.17	ND	68	30-105			
2,4-Dinitrotoluene	426	235	µg/Kg dry	835.17	ND	51	35-130			
4-Nitrophenol	849	2090	µg/Kg dry	1670.3	ND	51	30-150			
N-Nitroso-di-n-propylamine	614	1.69	µg/Kg dry	835.17	ND	74	40-130			
Pentachlorophenol	1090	28.2	µg/Kg dry	1670.3	ND	65	40-190			
Phenol	1100	417	µg/Kg dry	1670.3	ND	66	30-190			
Pyrene	6780	417	µg/Kg dry	835.17	12300	NR	35-140			I
1,2,4-Trichlorobenzene	618	417	µg/Kg dry	835.17	ND	74	40-115			
Surrogate: 2-Fluorobiphenyl	*689*		*µg/Kg dry*	*835.17*		*83*	*40-120*			
Surrogate: 2-Fluorophenol	*497*		*µg/Kg dry*	*1252.8*		*40*	*20-115*			
Surrogate: Nitrobenzene-d5	*570*		*µg/Kg dry*	*835.17*		*68*	*45-135*			
Surrogate: Phenol-d6	*568*		*µg/Kg dry*	*1252.8*		*45*	*20-100*			
Surrogate: 4-Terphenyl-d14	*588*		*µg/Kg dry*	*835.17*		*70*	*60-130*			
Surrogate: 2,4,6-Tribromophenol	*688*		*µg/Kg dry*	*1252.8*		*55*	*30-100*			

LABORATORY RESULTS

Client: Illinois Environmental Protection Agency - BOL
Project: LPC#0190100008 / Illinois Power Town Gas Plant **Lab Order:** 11B0185

Semi-Volatile Organic Compounds by GC-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U000677 - SW 3550B BNA										
Matrix Spike Dup (U000677-MSD1)	**Source: 11B0185-01**		Prepared: 02/24/201 Analyzed: 02/25/201							
Acenaphthene	768	420	µg/Kg dry	840.67	471	35	30-140	1	20	
4-Chloro-3-methylphenol	1290	840	µg/Kg dry	1681.3	ND	77	40-180	4	30	
2-Chlorophenol	1170	420	µg/Kg dry	1681.3	ND	70	35-150	4	50	
1,4-Dichlorobenzene	517	420	µg/Kg dry	840.67	ND	61	30-105	10	25	
2,4-Dinitrotoluene	356	236	µg/Kg dry	840.67	ND	42	35-130	18	45	
4-Nitrophenol	713	2100	µg/Kg dry	1681.3	ND	42	30-150	17	50	
N-Nitroso-di-n-propylamine	621	1.70	µg/Kg dry	840.67	ND	74	40-130	1	40	
Pentachlorophenol	980	28.4	µg/Kg dry	1681.3	ND	58	40-190	11	50	
Phenol	1080	420	µg/Kg dry	1681.3	ND	64	30-190	2	35	
Pyrene	7470	420	µg/Kg dry	840.67	12300	NR	35-140	10	35	C1, I
1,2,4-Trichlorobenzene	582	420	µg/Kg dry	840.67	ND	69	40-115	6	20	
Surrogate: 2-Fluorobiphenyl	*663*		*µg/Kg dry*	*840.67*		*79*	*40-120*			
Surrogate: 2-Fluorophenol	*465*		*µg/Kg dry*	*1261.0*		*37*	*20-115*			
Surrogate: Nitrobenzene-d5	*537*		*µg/Kg dry*	*840.67*		*64*	*45-135*			
Surrogate: Phenol-d6	*550*		*µg/Kg dry*	*1261.0*		*44*	*20-100*			
Surrogate: 4-Terphenyl-d14	*567*		*µg/Kg dry*	*840.67*		*67*	*60-130*			
Surrogate: 2,4,6-Tribromophenol	*640*		*µg/Kg dry*	*1261.0*		*51*	*30-100*			

Prairie Analytical Systems, Inc. **Date:** 3/16/2011

LABORATORY RESULTS

Client: Illinois Environmental Protection Agency - BOL

Project: LPC#0190100008 / Illinois Power Town Gas Plant **Lab Order:** 11B0185

Total Petroleum Hydrocarbons by GC-FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U000678 - SW 3550B TPH										
Blank (U000678-BLK1)				Prepared: 02/24/201 Analyzed: 03/04/201						
Gasoline Range Organics	U	20.0	mg/Kg wet							
Diesel Range Organics	U	20.0	mg/Kg wet							
LCS (U000678-BS1)				Prepared: 02/24/201 Analyzed: 03/04/201						
Gasoline Range Organics	57.6	20.0	mg/Kg wet	66.667		86	50-130			
Diesel Range Organics	79.0	20.0	mg/Kg wet	66.667		118	70-130			

LABORATORY RESULTS

Client: Illinois Environmental Protection Agency - BOL
Project: LPC#0190100008 / Illinois Power Town Gas Plant **Lab Order:** 11B0185

Conventional Chemistry Parameters - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U000643 - ASTM D2216 Moisture										
Blank (U000643-BLK1)				Prepared & Analyzed: 02/22/201						
Percent Solids	U	0.0100	%							
Duplicate (U000643-DUP1)		**Source: 11B0185-01**		Prepared & Analyzed: 02/22/201						
Percent Solids	76.6	0.0100	%		78.3			2	20	

LABORATORY RESULTS

Client: Illinois Environmental Protection Agency - BOL
Project: LPC#0190100008 / Illinois Power Town Gas Plant **Lab Order:** 11B0185

Notes and Definitions

I	Matrix interference.
C1	Analyte result confirmed by second analysis.
*	NELAC certified compound.
U	Analyte not detected (i.e. less than RL or MDL).

Illinois Environmental Protection Agency Chain of Custody

Preservative Codes	Container Description: Soil	Container Description: Aqueous
1 None	VOC - 2 oz glass (2)	VOC - 40 mL glass (3)
2 VOA - HCl	SVOC - 8 oz glass (1)	SVOC, Pest/PCB - 40 oz amber glass (1)*
3 Metals - HNO3	Pest/PCB - 8 oz glass (1)	Inorganics - 1 qt plastic (1)
4. Cyanide - NaOH	Inorganics - 16 oz glass (1)	* duplicate 1 out of 10
5 Other		
6 Other		

Fund	LPC#	Locality*	Cooler Initially Sealed By	Date Initially Sealed
LP52-179	0190100008		[signature]	2-14-11
Section	**Site Name**	**Project Manager**	**Phone Number**	**Initial Cooler Seal #**
RPMS	Illinois Power Town Gas Plant	Greg Dunn	217-785-2359	687

Lab Sample No.	VOCs	SVOCs	Metals	PCBs	Pesticides	DRO	GRO	Field Sample Number	Matrix	No. of Bottles	Date Collected	Time Collected (24 hr clock)	Sampler's Initials	Special Notations	Legal Hold Y or N
SB10526-01	X	X	X	X	X	X	X	X201	Soil	~~8~~ 9	2/15/11	1100	GWD	Need Diesel Range Organics & Gasoline Range Organics Run on samples	N
								Prairie to analyze for:				8270 low detect limits			
												GRO			
												DRO			
													CH 2-16-11		

Opener: I certify that I received the sample shipping container with the shipping container sealed and intact

Cooler Opened by:	Seal No:	Date:	Time:	Intact
Greg Dunn [signature]	687	2/15/11	1045	Y-N
				Y-N

Sealer: I certify that the samples listed above were collected in my presence and sealed by me

Cooler Sealed By	Seal No.:	Date:	Time:
Greg Dunn [signature]	678	2/15/11	1145

I certify that I received the cooler containing the above samples with the seal(s) intact.

Received for Lab by:	Seal No:	Date:	Time:	Intact:
[signature]	678	2-15-11	1330	Y-N

Sample Courier: IEPA

Turnaround Time Requested: 30

Samplers: Greg Dunn

Lab Comments:

Supervisor Releasing Results: [signature]

Date: 02-16-11 11:05am 10.8°C 3°